You are invited to participate in the hybrid / on-line offering of “Introduction to Ecological Modeling”, Winter 2015. Instruction begins the week of January 5. Students can participate fully on-line, or participate in traditional classroom settings.

**About this course**

This 10 week course explores the conceptual basis for using models in ecology and conservation, and how we test hypotheses by fitting models to data. The course emphasizes the process of constructing and interpreting models, while developing key skills needed to perform fundamental model analysis.

**Topics include:** philosophy of modelling, frameworks for model development, population and community models, compartment models, fitting models to data.

**Skills include:** advanced methods in spreadsheets, introduction to programming, model development and analysis, and numerical optimization methods.

Students should have at least one course in statistics and prior coursework in calculus. Programming skills are **not** required.

Interested individuals should contact the instructor at essing@uw.edu.